

7: SALAMI

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PATENT APPLICATION: US/09/000,004

DATE: 08/02/2000  
TIME: 13:46:20

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Input Set : A:\Sabe-137.app  
Output Set: N:\CRF3\08022000\I000004.raw

SEQUENCE LISTING

4 (1) GENERAL INFORMATION:

6 (i) APPLICANT: WEBB, Elizabeth Ann  
7 MARGETTS, Mary Brigid  
8 COX, John Cooper  
9 FRAZER, Ian  
10 MCMILLAN, Nigel Alan John  
11 WILLIAMS, Mark Philip  
12 MOLONEY, Margaret Bridget  
13 Holland  
14 EDWARDS, Stirling John

16 (ii) TITLE OF INVENTION: PAPILLOMAVIRUS POLYPROTEIN CONSTRUCTS

18 (iii) NUMBER OF SEQUENCES: 50

20 (iv) CORRESPONDENCE ADDRESS:

21 (A) ADDRESSEE: FOLEY & LARDNER  
22 (B) STREET: 3000 K Street, N.W.  
23 (C) CITY: Washington  
24 (D) STATE: D.C.  
25 (E) COUNTRY: U.S.A.  
26 (F) ZIP: 20007-5109

28 (v) COMPUTER READABLE FORM:

29 (A) MEDIUM TYPE: Floppy disk  
30 (B) COMPUTER: IBM PC compatible  
31 (C) OPERATING SYSTEM: PC-DOS/MS-DOS  
32 (D) SOFTWARE: PatentIn Release #1.0, Version #1.30

34 (vi) CURRENT APPLICATION DATA:

35 (A) APPLICATION NUMBER: US/09/000,004  
36 (B) FILING DATE: 21-Apr-1998  
37 (C) CLASSIFICATION:

43 (vii) PRIOR APPLICATION DATA:

40 (A) APPLICATION NUMBER: WO PCT/AU96/00473  
41 (B) FILING DATE: 26-JUL-1996  
44 (A) APPLICATION NUMBER: AU PN 4439/95  
45 (B) FILING DATE: 27-JUL-1995

47 (viii) ATTORNEY/AGENT INFORMATION:

48 (A) NAME: BENT, Stephen A.  
49 (B) REGISTRATION NUMBER: 29,768  
50 (C) REFERENCE/DOCKET NUMBER: 017227/0137

52 (ix) TELECOMMUNICATION INFORMATION:

53 (A) TELEPHONE: (202) 672-5300  
54 (B) TELEFAX: (202) 672-5399

57 (2) INFORMATION FOR SEQ ID NO: 1:

59 (i) SEQUENCE CHARACTERISTICS:

60 (A) LENGTH: 30 base pairs  
61 (B) TYPE: nucleic acid  
62 (C) STRANDEDNESS: single  
63 (D) TOPOLOGY: linear

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65      (ii) MOLECULE TYPE: DNA (genomic)
70      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
72 GCGCCCCGGG ATGGAAGTG CAAATGCCTC
74 (2) INFORMATION FOR SEQ ID NO: 2:
76      (i) SEQUENCE CHARACTERISTICS:
77          (A) LENGTH: 42 base pairs
78          (B) TYPE: nucleic acid
79          (C) STRANDEDNESS: single
80          (D) TOPOLOGY: linear
82      (ii) MOLECULE TYPE: DNA (genomic)
87      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
89 GCGCTCTAGA CCATGAAGC TTGGGTAACA TGTCTTCAT GC
91 (2) INFORMATION FOR SEQ ID NO: 3:
93      (i) SEQUENCE CHARACTERISTICS:
94          (A) LENGTH: 49 base pairs
95          (B) TYPE: nucleic acid
96          (C) STRANDEDNESS: single
97          (D) TOPOLOGY: linear
99      (ii) MOLECULE TYPE: DNA (genomic)
104      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
106 GCGCTCTAGA GAGCTCGGTA CCACTAGTGG AGCACCAAAC ATTGGGAAG
108 (2) INFORMATION FOR SEQ ID NO: 4:
110      (i) SEQUENCE CHARACTERISTICS:
111          (A) LENGTH: 31 base pairs
112          (B) TYPE: nucleic acid
113          (C) STRANDEDNESS: single
114          (D) TOPOLOGY: linear
116      (ii) MOLECULE TYPE: DNA (genomic)
121      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
123 GCGCAGATCT TAGGCGTAGC TGAAGTGTTA C
125 (2) INFORMATION FOR SEQ ID NO: 5:
127      (i) SEQUENCE CHARACTERISTICS:
128          (A) LENGTH: 33 base pairs
129          (B) TYPE: nucleic acid
130          (C) STRANDEDNESS: single
131          (D) TOPOLOGY: linear
133      (ii) MOLECULE TYPE: DNA (genomic)
138      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
140 GCGCCCATGG GAAGTGGTGC CTGTACAAAT AGC
142 (2) INFORMATION FOR SEQ ID NO: 6:
144      (i) SEQUENCE CHARACTERISTICS:
145          (A) LENGTH: 32 base pairs
146          (B) TYPE: nucleic acid
147          (C) STRANDEDNESS: single
148          (D) TOPOLOGY: linear
150      (ii) MOLECULE TYPE: DNA (genomic)
155      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
157 GCGCTCTAGA TTGCTGTGTG GTAACAATAT AG
159 (2) INFORMATION FOR SEQ ID NO: 7:

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161      (i) SEQUENCE CHARACTERISTICS:
162          (A) LENGTH: 34 base pairs
163          (B) TYPE: nucleic acid
164          (C) STRANDEDNESS: single
165          (D) TOPOLOGY: linear
166      (ii) MOLECULE TYPE: DNA (genomic)
167      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
172      GCGCAAGCTT CATGGAAGAC ATGTACCCT AAAG
174      (2) INFORMATION FOR SEQ ID NO: 8:
176      (i) SEQUENCE CHARACTERISTICS:
177          (A) LENGTH: 30 base pairs
178          (B) TYPE: nucleic acid
179          (C) STRANDEDNESS: single
180          (D) TOPOLOGY: linear
181      (ii) MOLECULE TYPE: DNA (genomic)
182      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:
184      GCGCCCATGG GGTCTTCGGT GCGCAGATGG
189      (2) INFORMATION FOR SEQ ID NO: 9:
191      (i) SEQUENCE CHARACTERISTICS:
192          (A) LENGTH: 35 base pairs
193          (B) TYPE: nucleic acid
194          (C) STRANDEDNESS: single
195          (D) TOPOLOGY: linear
196      (ii) MOLECULE TYPE: DNA (genomic)
197      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:
201      GCGCGAGCTC GCGGACGATT CAGGTACAGA AAATG
206      (2) INFORMATION FOR SEQ ID NO: 10:
208      (i) SEQUENCE CHARACTERISTICS:
209          (A) LENGTH: 33 base pairs
210          (B) TYPE: nucleic acid
211          (C) STRANDEDNESS: single
212          (D) TOPOLOGY: linear
213      (ii) MOLECULE TYPE: DNA (genomic)
214      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:
216      GCGCGGTACC TAAAGTTCTA ACAACTGTTC CTG
223      (2) INFORMATION FOR SEQ ID NO: 11:
225      (i) SEQUENCE CHARACTERISTICS:
226          (A) LENGTH: 32 base pairs
227          (B) TYPE: nucleic acid
228          (C) STRANDEDNESS: single
229          (D) TOPOLOGY: linear
230      (ii) MOLECULE TYPE: DNA (genomic)
231      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:
233      GCGCGGTACC GAAGCAATAG CCAAGCGTTT AG
240      (2) INFORMATION FOR SEQ ID NO: 12:
242      (i) SEQUENCE CHARACTERISTICS:
243          (A) LENGTH: 33 base pairs
244          (B) TYPE: nucleic acid
245          (C) STRANDEDNESS: single
246          (D) TOPOLOGY: linear
247      (ii) MOLECULE TYPE: DNA (genomic)
248      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12:
249      GCGCGGTACC GAAGCAATAG CCAAGCGTTT AG

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250      (D) TOPOLOGY: linear
252      (ii) MOLECULE TYPE: DNA (genomic)
257      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12: 33
259 GCGCACTAGT CAATAGGTGC AGTGACATAA ATC
261 (2) INFORMATION FOR SEQ ID NO: 13:
263      (i) SEQUENCE CHARACTERISTICS:
264          (A) LENGTH: 32 base pairs
265          (B) TYPE: nucleic acid
266          (C) STRANDEDNESS: single
267          (D) TOPOLOGY: linear
269      (ii) MOLECULE TYPE: DNA (genomic)
274      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 13: 32
276 GCGCTCTAGA CTAACATGTC AATTTAATGA TG
278 (2) INFORMATION FOR SEQ ID NO: 14:
280      (i) SEQUENCE CHARACTERISTICS:
281          (A) LENGTH: 31 base pairs
282          (B) TYPE: nucleic acid
283          (C) STRANDEDNESS: single
284          (D) TOPOLOGY: linear
286      (ii) MOLECULE TYPE: DNA (genomic)
291      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 14: 31
293 GCGCGAGCTC ATTCATATAT ATATAATCAC C
295 (2) INFORMATION FOR SEQ ID NO: 15:
297      (i) SEQUENCE CHARACTERISTICS:
298          (A) LENGTH: 30 base pairs
299          (B) TYPE: nucleic acid
300          (C) STRANDEDNESS: single
301          (D) TOPOLOGY: linear
303      (ii) MOLECULE TYPE: DNA (genomic)
308      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 15: 30
310 GCGCCCCGGG ATGGAAGCAA TAGCCAAGCG
312 (2) INFORMATION FOR SEQ ID NO: 16:
314      (i) SEQUENCE CHARACTERISTICS:
315          (A) LENGTH: 51 base pairs
316          (B) TYPE: nucleic acid
317          (C) STRANDEDNESS: single
318          (D) TOPOLOGY: linear
320      (ii) MOLECULE TYPE: DNA (genomic)
325      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 16: 51
327 GCGCTCTAGA CCATGGGGTA CCGAGCTCCA ATAGGTGCAG TGACATAAAT C
329 (2) INFORMATION FOR SEQ ID NO: 17:
331      (i) SEQUENCE CHARACTERISTICS:
332          (A) LENGTH: 32 base pairs
333          (B) TYPE: nucleic acid
334          (C) STRANDEDNESS: single
335          (D) TOPOLOGY: linear
337      (ii) MOLECULE TYPE: DNA (genomic)
342      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 17: 32
344 GCGCTCTAGA CTAACATGTC AATTTAATGA TG

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346 (2) INFORMATION FOR SEQ ID NO: 18:
348   (i) SEQUENCE CHARACTERISTICS:
349       (A) LENGTH: 36 base pairs
350       (B) TYPE: nucleic acid
351       (C) STRANDEDNESS: single
352       (D) TOPOLOGY: linear
353   (ii) MOLECULE TYPE: DNA (genomic)
354   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 18:
359   GCGCAGATCT CTCGAGATTC ATATATATAT AATCAC
361 (2) INFORMATION FOR SEQ ID NO: 19:
363   (i) SEQUENCE CHARACTERISTICS:
365       (A) LENGTH: 1107 base pairs
366       (B) TYPE: nucleic acid
367       (C) STRANDEDNESS: single
368       (D) TOPOLOGY: linear
369   (ii) MOLECULE TYPE: DNA (genomic)
371   (ix) FEATURE:
372       (A) NAME/KEY: CDS
373       (B) LOCATION: 1..1104
374   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 19:
379   ATG GAA AGT GCA AAT GCC TCC ACG TCT GCA ACG ACC ATA GAC CAG TTG
381 Met Glu Ser Ala Asn Ala Ser Thr Ser Ala Thr Thr Ile Asp Gln Leu
382 1 5 10 15
383 TGC AAG ACG TTT AAT CTA TCT ATG CAT ACG TTG CAA ATT AAT TGT GTG
385 Cys Lys Thr Phe Asn Leu Ser Met His Thr Leu Gln Ile Asn Cys Val
386 20 25 30
387 TTT TGC AAG AAT GCA CTG ACC ACA GCA GAG ATT TAT TCA TAT GCA TAT
389 Phe Cys Lys Asn Ala Leu Thr Thr Ala Glu Ile Tyr Ser Tyr Ala Tyr
390 35 40 45
391 AAA CAC CTA AAG GTC CTG TTT CGA GGC GGC TAT CCA TAT GCA GCC TGC
393 Lys His Leu Lys Val Leu Phe Arg Gly Gly Tyr Pro Tyr Ala Ala Cys
394 50 55 60
395 GCG TGC TGC CTA GAA TTT CAT GGA AAA ATA AAC CAA TAT AGA CAC TTT
397 Ala Cys Cys Leu Glu Phe His Gly Lys Ile Asn Gln Tyr Arg His Phe
398 65 70 75
399 GAT TAT GCT GGA TAT GCA ACA ACA GTT GAA GAA GAA ACT AAA CAA GAC
401 Asp Tyr Ala Gly Tyr Ala Thr Thr Val Glu Glu Thr Lys Gln Asp
402 80 85 90
403 ATC TTA GAC GTG CTA ATT CGG TGC TAC CTG TGT CAC AAA CCG CTG TGT
405 Ile Leu Asp Val Leu Ile Arg Cys Tyr Leu Cys His Lys Pro Leu Cys
406 95 100 105
407 GAA GTA GAA AAG GTA AAA CAT ATA CTA ACC AAG GCG CGG TTC ATA AAG
409 Glu Val Glu Lys Val Lys His Ile Leu Thr Lys Ala Arg Phe Ile Lys
410 110 115 120
411 CTA AAT TGT ACG TGG AAG GGT CGC TGC CTA CAC TGC TGG ACA ACA TGC
413 Leu Asn Cys Thr Trp Lys Gly Arg Cys Leu His Cys Trp Thr Thr Cys
414 125 130 135
415 ATG GAA GAC ATG TTA CCC AAG CTT CCA TGG GAA GTG GTG CCT GTA CAA
417 Met Glu Asp Met Leu Pro Lys Leu Pro Trp Glu Val Val Pro Val Gln
418 140 145 150

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VERIFICATION SUMMARY  
PATENT APPLICATION:

US/09/000,004

DATE: 08/02/2000  
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Input Set : A:\Sabe-137.app

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L:35 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]  
L:36 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]